| Index of | Claims |
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| Application No. | Applicant(s) |   |
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| 10/002,580      | RAMAN ET AL. |   |
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|--|----------|----------|-------------------------------|---------------|--|--|-----------------|-----------|----------|--|---|--|-------|------------|---------------------|---------|-----------------|----------|----------|--|
| ल  | inal     | 92       |                               |               |  |  | Harry C.        | a         | ınal     |  |   | 15.  | ā     | inal       |                     |         |                 |          |          |  |
| Final  | Original | 2/6/05   |                               |               |  |  |                 | Final     | Original |  |   | A A A A A A A A A A A A A A A A A A A                          | Final | Original   |                     |         |                 |          |          |  |
|  | 1        | =        |                               |               | <del>                                       </del> | +  |                 |           | 51       | +++-   | <del></del>                                       | - 37   |       | 101        | -+-+                | +       | $\vdash$        | $\dashv$ | ╫        | $\vdash$   |
|  | 2        | 7        |                               | $\neg \vdash$ | -  |  | 1.4             |           | 52       |  |   |  |       | 102        | 11                  |         | H               |          | +        | T  |
|  | 3        | 1        |                               |               |  |  | F are           |           | 53       |  |   |  |       | 103        |                     |         | П               |          | $\top$   | $\vdash$   |
|  | 4        | 1        |                               |               |  |  | 475             |           | 54       |  |   | To A   |       | 104        |                     |         |                 |          | $\top$   |  |
|  | 5        | $\prod$  |                               |               |  |  | 7.4             |           | 55       |  |   |  |       | 105        |                     |         |                 |          |          |  |
|  | 6        | Ц        |                               |               |  |  | Told .          |           | 56       |  |   | - 10.84  |       | 106        | $\perp$             |         | Ш               |          | $\bot$   | <u> </u>   |
|  | 7        | 4        |                               | _ _           | $\vdash$   | $\perp \perp$                                    |                 |           | 57       |  |   |  |       | 107        |                     | $\perp$ |                 |          |          | 닏  |
|  | 8        | 4        |                               |               | $\vdash$   | +  |                 |           | 58       |  |   |  |       | 108        | $\rightarrow$       | $\perp$ | $\sqcup$        | _        | +        | ₩  |
|  | 9        | 4        |                               |               | -  | +  |                 |           | 59       |  | ++++  | - 0.0  |       | 109        |                     |         | $\vdash$        | _ _      | —        | ╀  |
| <u> </u>   | 10       | #        |                               |               | <del>                                     </del>   | +  | 14              |           | 60<br>61 |  |   |  |       | 110        | $\rightarrow$       | -       | -               | -        | +-       | ╄  |
| <del> </del>                                     | 12       | ╫        | $\vdash$                      | +             | <del>                                     </del>   | +  |                 |           | 62       | <del>-   -   -   -   -   -   -   -   -   -  </del> | <del> .      </del>                               |  |       | 111<br>112 | ++                  | +       | $\vdash$        |          | +-       | +-   |
| $\vdash$   | 13       | +        | $\vdash\vdash\vdash$          | $\dashv$      | <del>    .</del>                                   | ++-  |                 |           | 63       | <del>                                     </del>   | <del>                                     </del>  |  |       | 113        | $\dashv$            |         | $\vdash$        | $\dashv$ | +-       | +-   |
| $\vdash$   | 14       | +        | $\vdash\vdash\vdash$          | $\dashv$      |  | 1  |                 |           | 64       | <del></del>  | <del>                                     </del>  | -  |       | 114        | ++                  | +       | H               | $\dashv$ | +        | +  |
| <u> </u>   | 15       | H        |                               |               | $\vdash$   | 11   | 125             |           | 65       | 111  | <del>                                     </del>  |  |       | 115        | $\dashv$            | +-      | $\vdash$        | -+-      | +        | +  |
|  | 16       | T        |                               | $\neg \vdash$ |  |  |                 |           | 66       | <del>                                     </del>   |   |  |       | 116        | 11                  | 1       |                 |          | $\top$   | $\top$   |
|  | 17       |          |                               |               |  |  | Page 1          |           | 67       |  |   | 1 A  |       | 117        |                     |         |                 |          | $\top$   | П  |
|  | 18       |          |                               |               |  |  |                 |           | 68       |  |   |  |       | 118        |                     |         |                 |          |          | Ī  |
|  | 19       |          |                               |               |  |  | M               |           | 69       |  |   | 21 - 12<br>22 - 12<br>23 - 12<br>24 - 12<br>24 - 12<br>24 - 12 |       | 119        |                     |         |                 |          |          |  |
|  | 20       | Ц        |                               |               | oxdot  |  |                 |           | 70       |  |   |  |       | 120        |                     |         |                 |          |          |  |
|  | 21       | Ц        | $\Box\Box$                    |               |  |  | 4 44            |           | 71       |  |   | _  |       | 121        | $\perp$             | $\bot$  | Ш               |          |          | ļ.,  |
| <u> </u>   | 22       | Ц        |                               |               | $\vdash$   | +  |                 |           | 72       |  |   | 4.5c   |       | 122        |                     |         |                 |          | $\bot$   | ↓_   |
|  | 23       | $\vdash$ | $\dashv$                      | -             |  | +  |                 |           | 73       | +++  |   | -41  |       | 123        |                     | -       |                 |          | 4        | ╄  |
|  | 24<br>25 | Н        |                               | -             |  | + + -  | _ A             |           | 74<br>75 | <del>-   -   -  </del>                             | ++++  |  |       | 124        | $\rightarrow$       | _       | Н               | -        | ┿        | ╀  |
| _  | 26       | Н        |                               |               | $\vdash$   |  | 7.              | $\vdash$  | 76       |  |   |  |       | 125<br>126 | $\dashv$            | +       | Н               | -        | $+\!\!-$ | ╁  |
| <del>                                     </del> | 27       | Н        | +++                           | +             |  | ++-  |                 |           | 77       |  |   |  |       | 127        | -                   |         | $\vdash$        | -        | $+\!-$   | ╁  |
| <b></b>  | 28       | $\dashv$ |                               | +-            | <del>                                     </del>   | +  | H               |           | 78       | +++-+  | <del>                                      </del> |  |       | 128        | $\rightarrow$       | +       | Н               | _        | +        | ╁  |
|  | 29       | H        |                               | _             | <del> -  -</del>                                   | 1 1  |                 |           | 79       | <del>- - -</del>                                   |   |  |       | 129        | $\dashv$            |         |                 | $\dashv$ | +        | $t^{-}$  |
|  | 30       | 4        |                               |               |  | 1 1  | 1               |           | 80       |  |   |  |       | 130        |                     |         | $\vdash$        |          | +        | 十  |
|  | 31       | _        |                               |               |  |  |                 |           | 81       |  |   |  |       | 131        |                     |         | П               |          | 1        | 1  |
|  | 32       |          |                               |               |  |  |                 |           | 82       |  |   |  |       | 132        |                     |         |                 |          | $\top$   | $\top$   |
|  | 33       |          |                               |               |  |  | **.<br>**.      |           | 83       |  |   |  |       | 133        |                     |         |                 |          | $\perp$  |  |
|  | 34       |          | $\sqcup\sqcup$                | -             | - -  | $\Box$   | Ž.              |           | 84       |  |   | 1.3.744  |       | 134        | $\perp$             |         | Ц               | $\perp$  | $\perp$  | $\perp$  |
| <u> </u>   | 35       | _        | $\vdash \vdash \vdash$        |               | <del>                                     </del>   |  | E = 1           | <b>  </b> | 85       | ++++   | $\square$   |  |       | 135        | $\dashv \perp$      | $\perp$ | Ш               | _ _      | +        | ₩  |
| ļ  | 36       | _        | $\vdash$                      | $\dashv$      |  | +  | ا<br>رادارو     |           | 86       |  |   |  |       | 136        | $\rightarrow$       | $\perp$ | Н               | +        | 4-       | $\vdash$   |
| <u> </u>   | 37<br>38 | -        | $\vdash \vdash \vdash \vdash$ |               | ├-├-   | +  |                 |           | 87       | <del>- - - </del>                                  | <del>                                     </del>  |  |       | 137        | +                   | +       | $\vdash \vdash$ |          | +        | +  |
| $\vdash$   | 39       | -        | $\vdash\vdash\vdash$          | +             |  |  |                 |           | 88<br>89 | <del></del>  | <del>                                     </del>  |  |       | 138<br>139 | -+                  | +       | $\vdash$        |          | +        | +  |
| -  | 40       | -        | $\vdash$                      | +             | <del>                                     </del>   | 1  | 1               |           | 90       | +++  | + + +   |  |       | 140        | ++                  | +-      | $\vdash$        | +        | +        | +  |
|  | 41       |          | $\vdash$                      | $\dashv$      | <del>                                     </del>   | +  |                 |           | 91       | <del>                                     </del>   | <del>                                     </del>  |  |       | 141        |                     | +-      | H               | $\dashv$ | +        | +  |
| <u> </u>   | 42       | $\vdash$ | $\vdash$                      | - -           | -  | <del>                                     </del> | 27              |           | 92       | 1-1-1-1  | <del>                                     </del>  | —— 15. s<br>1644   |       | 142        | 11                  | +       | $\vdash$        | +        | +        | +  |
| $\vdash$   | 43       |          |                               |               |  | 1-1-   | 學語              |           | 93       | <del>- - - -</del>                                 |   | Sign.  |       | 143        | <del></del>         | +       | $\vdash$        | _        | +        | <del>                                     </del> |
|  | 44       |          |                               |               |  |  | 1               |           | 94       |  |   |  |       | 144        | $\dashv \dagger$    | 1       | $\vdash$        | $\dashv$ | $\top$   | $\top$   |
|  | 45       |          |                               |               |  |  | 100             |           | 95       |  |   |  |       | 145        |                     |         |                 |          | T        | Π  |
|  | 46       |          |                               |               |  |  | er;<br>Han      |           | 96       |  |   | AL   |       | 146        |                     |         |                 |          | $\perp$  | Γ  |
| <u> </u>   | 47       |          |                               | $\bot$        |  |  |                 |           | 97       |  |   | 1944<br>1845   |       | 147        |                     |         |                 | I        |          |  |
| <u> </u>   | 48       |          |                               |               | _ _  |  | 武化海             |           | 98       |  |   |  |       | 148        |                     | $\perp$ | Ш               | _        |          |  |
| <u> </u>   | 49       | _        |                               |               | $\vdash \vdash$                                    | $\bot$   | -1 <sup>2</sup> |           | 99       | +++  |   |  |       | 149        | $\perp \perp \perp$ |         | Ш               |          | 1        | <del></del>                                      |
| L  | 50       |          |                               |               | Ш  |  |                 | ليبا      | 100      |  |   |  |       | 150        |                     | 1       | Ш               | 丄        | $\bot$   | 1  |